

Quests in Neutrino Physics and Beyond

Experimental Questions in Neutrino Physics

- *What is the pattern of neutrino mass and mixing parameters?*
- *What is the nature of neutrinos?*

- What is the origin of neutrino flavor transformation?
- Do sterile neutrinos exist?
- What is the absolute neutrino mass scale?
- Is the neutrino a Majorana or Dirac particle?
- How large is U_{e3} ?

What are the CP properties of neutrinos?
Is CP(T) violated in the neutrino sector?

SNO
KamLAND
MiniBoone

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JHF/NuMI
Nu Factories

And Beyond

What is the origin of the baryon asymmetry in the Universe?
What is the origin of Dark Matter in the Universe?
What is the origin of Dark Energy in the Universe?

